Table S3. Summary of $\Delta^{14}CO_2$ records used in the compilation for different time periods. IntCal13 and SHCal13 refer to the compilations of Reimer et al. (2013) and Hogg et al. (2013). Stations listed without a reference refer to measurements from the Heidelberg University network (Levin et al. 2010). Additional references are given in the text.

Period	SH	Period	Tropics	Period	NH
1850-1939	SHCal13	1850-1939	Average of	1850-1939	IntCal13
			SHCal13 and		
			IntCal13		
1940-1950	IntCal13	1940-1950	IntCal13	1940-1950	IntCal13
1951-54	Stuiver and Quay	1951-54	Stuiver and Quay	1951-54	Stuiver and Quay
	(1981)		(1981)		(1981)
1955-1983	Wellington	1955-1984	Average of NH and	1955-58	Tropospheric data
	(Manning and		SH, adjusted by		compiled by Tans
	Melhuish 1994),		box model from		(1981)
	adjusted by -4 ‰		Naegler and Levin	1959-1984	Vermunt
			(2006)		
1984-1992,	Average of	1985-90	NH, adjusted by	1985-88	Izaña, adjusted by
2000-02,	Neumayer and		+2.9 ‰		-0.9 ‰
2004-06,	Cape Grim,				
2010 and	adjusted by				
2012-14	-1.2 ‰				
1993-99,	Average of	1991-97	Mérida	1989-1997	Average of Izaña,
2003,	Neumayer, Cape				Jungfraujoch, and
2007-09	Grim and				Alert
and 2011	Macquarie Island	1998-2015	NH, adjusted by	1997-2010	Average of
			+2.9 ‰		Jungfraujoch, Alert
					and Mace Head
2015	Neumayer,			2011-15	Jungfraujoch,
	adjusted by -2 ‰				adjusted by +0.4 ‰